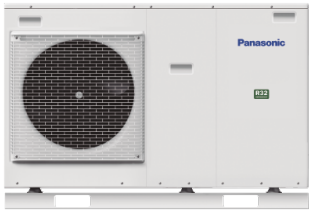
Aquarea High Performance Mono-bloc J Generation 1 Phase • R32

Aquarea, an innovative new low-energy system based on Air to Water heat pump technology

Aquarea warms your home effectively and efficiently, even with extreme outdoor temperatures. Aquarea can also cool space in summer and bring hot water all year round.
Aquarea High Performance is the range for new installations and low consumption homes. Outstanding efficiency and energy savings with minimised CO2 emissions and minimum space.
The Mono-Bloc system: This only has an outdoor unit. The installation doesn't require a refrigerated connection and is only connected to the heating and/or hot water.

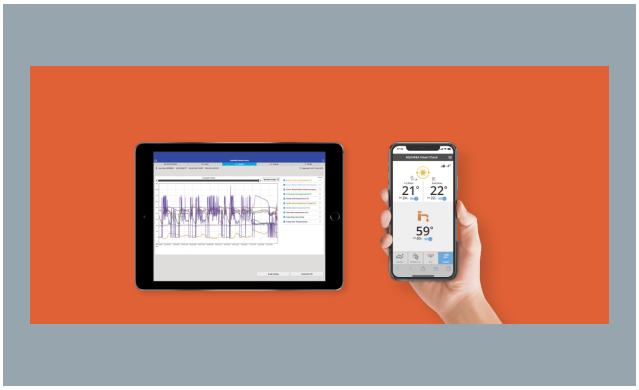


- High efficient R32 refrigerant
- A+++ energy Class (average climate at 35°C water outlet)
- Maximum hydraulic module output temperature: 60°C
- High heating and cooling capacities, even at low outdoor temperatures
- Special software for low consumption homes with minimum output temperature: 20°C
- Works at temperatures as low as -20°C
- Operation in cooling mode at temperatures as low as 10°C
- Cloud control and service with CZ-TAW1
- Easy-to-use remote controller
- Domestic hot water with external tank
- Easy installation and maintenance
- Built-in magnet water filter and flow meter, and automatic air purge valve

Why make the switch to a heat pump?

Aquarea with R32 Refrigerant.
A small change that changes everything.

MORE ABOUT AQUAREA R32



Aquarea Service Cloud. Control for today and for the future

FOR END USER

FOR INSTALLERS / MAINTENANCE

Aquarea High Performance Mono-bloc J Generation 1 Phase • R32		SINGLE PHASE		
		5 kW	7 kW	9 kW
Outdoor unit			WH-MDC07J3E5	WH-MDC09J3E5
Heating capacity (A +7°C, W 35°C)	kW	5,00	7,00	9,00
COP (A +7°C, W 35°C)		5,08	4,76	4,48
Heating capacity (A +7°C, W 55°C)	kW	5,00	7,00	8,95
COP (A +7°C, W 55°C)		3,01	2,82	2,78
Heating capacity (A +2°C, W 35°C)	kW	5,00	7,00	7,45
COP (A +2°C, W 35°C)		3,57	3,40	3,13
Heating capacity (A +2°C, W 55°C)	kW	5,00	6,30	7,00
COP (A +2°C, W 55°C)		2,27	2,16	2,12
Heating capacity (A -7°C, W 35°C)	kW	5,00	6,80	7,50
COP (A -7°C, W 35°C)		2,78	2,81	2,63
Heating capacity (A -7°C, W 55°C)	kW	5,00	6,30	7,00
COP (A -7°C, W 55°C)		1,85	1,86	1,80
Cooling capacity (A 35°C, W 7°C)	kW	5,00	7,00	9,00
EER (A 35°C, W 7°C)		3,31	3,06	2,71
Cooling capacity (A 35°C, W 18°C)	kW	5,00	7,00	9,00
EER (A 35°C, W 18°C)		5,05	4,73	4,25
Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C)	ηs %	202 / 142	193 / 130	193 / 130
Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	5,12 / 3,63	4,90 / 3,32	4,90 / 3,32
Heating average climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C)	ηs %	237 / 165	227 / 160	227 / 160
Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	6,00 / 4,20	5,75 / 4,07	5,75 / 4,07
Heating warm climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C)	ηs %	160 / 115	164 / 116	164 / 116
Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	4,08 / 2,95	4,18 / 2,98	4,18 / 2,98
Heating cold climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A++ / A+	A++ / A+	A++ / A+
Outdoor sound power part load (Heat) (1)	dB(A)	59	59	59
Outdoor sound power full load (Heat)	dB(A)	64	68	69
Outdoor sound power full load (Cool)	dB(A)	65	67	68
Outdoor dimension (Height)	mm	865	865	865

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		5 kW	**7 kW**	**9 kW**
Outdoor dimension (Width)	mm	1283	1283	1283
Outdoor dimension (Depth)	mm	320	320	320
Outdoor net weight	kg	99	104	104
Refrigerant (R32) / CO2 Eq. (2)	kg / T	1,3 / 0,878	1,3 / 0,878	1,3 / 0,878
Water pipe connector	Inch	R 1¼	R 1¼	R 1¼
Pump (Number of speeds)		Variable Speed	Variable Speed	Variable Speed
Pump (Input power Min)	W	34	36	39
Pump (Input power Max)	W	96	100	108
Heating water flow (ΔT=5 K. 35°C)	L/min	14,30	20,10	25,80
Capacity of integrated electric heater	kW	3	3,00	3,00
Input power (Heat)	kW	0,99	1,47	2,01
Input power (Cool)	kW	1,51	2,29	3,32
Running and starting current (Heat)	A	4,7	7,0	9,3
Running and starting current (Cool)	A	7,0	10,5	14,7
Current 1	A	12,0	17	17
Current 2	A	13	13	13
Indoor recommended fuse	A	30 / 15	30 / 15	30 / 16
Recommended cable size, supply 1	mm²	3 x 1,5	3 x 2,5	3 x 2,5
Recommended cable size, supply 2	mm²	3 x 1,5	3 x 1,5	3 x 1,5
Operation range - outdoor temperature (Heat)	°C	-20 ~ 35	-20 ~ 35	-20 ~ 35
Operation range - outdoor temperature (Cool)	°C	10 ~ 43	10 ~ 43	10 ~ 43
Water outlet (Heat)	°C	20 ~ 60	20 ~ 60	20 ~ 60
Water outlet (Cool)	°C	5 ~ 20	5 ~ 20	5 ~ 20

(1) Sound power in accordance to 8112013,81312013 and EN12102-1:2017 at +7°C.
(2) WH-MDC models are hermetically sealed.
EER and COP calculation is based in accordance to EN14511.

Complementary products

PAW-A2W-RTWIRED

PAW-A2W-RTWIRELESS

CZ-TAW1

PAW-TD20C1E5

PAW-TD30C1E5